

1 What is another way of naming 715,000?

- A 715 thousands
- B 715 hundreds
- C 715 ten thousands
- D 715 tens

2 Complete: $7,950 = \underline{\quad ? \quad}$ tens

- A 5
- B 795
- C 79
- D 7,940

3 What is the value of the 1 in 581,200,000?

- A 1 million
- B 1 thousand
- C 1 hundred
- D 1 ones

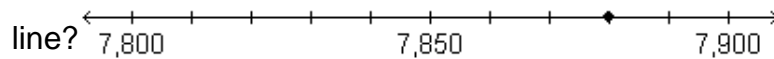
4 North Carolina became a state in 1789. Alabama became a state 30 years later. How many decades had passed? A decade is 10 years.

- A 3
- B 1819
- C 1792
- D 300

5 How many hundreds are equal to 31,000?

- A 10
- B 310
- C 3
- D 31

- 6 Which number is marked by the dot on the number



- A 7,808
- B 7,850
- C 7,858
- D 7,880

- 7 A meteorologist reported that 2.5 inches of snow fell last night. What is the value of the underlined digit in 2.5?

- A five ones
- B five hundredths
- C five tens
- D five tenths

- 8 Tell the value of the underlined digit in 168.67.

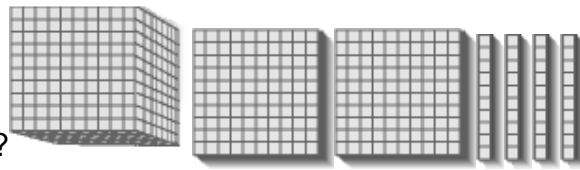
- A seven tenths
- B seven hundredths
- C seven tens
- D seven ones

- 9 A cheetah can run 70 miles per hour while a three-toed sloth only moves about 0.15 miles per hour. What is 0.15 in word form?

- A fifteen tenths
- B fifteen tens
- C fifteen hundredths
- D fifteen hundred

10

What number do these blocks show?



- A 1,042
- B 1,204
- C 1,240
- D 1,420

11 Round 5,419,832 to the nearest million.

- A 6,000,000
- B 4,000,000
- C 5,000,000
- D 5,400,000

12 What is the smallest number that you can round to the nearest thousand and get 6,000?

- A 5,500
- B 5,499
- C 5,999
- D 5,901

13 Alicia said that the cost of her family's new car was about \$19,000. She had rounded the cost to the nearest thousand. Which of these could NOT be the ACTUAL cost of the car?

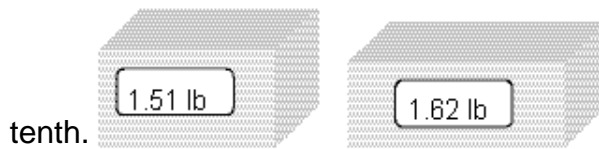
- A \$18,150
- B \$18,766
- C \$19,221
- D \$19,441

14 Round 771,588 to the nearest hundred thousand.

- A 700,000
- B 871,588
- C 800,000
- D 900,000

- 15 How many 1,000s equal 100,000?
- A 10
 - B 1
 - C 100
 - D 1,000
- 16 How many 10-foot sections of fence are needed to make a fence 980 feet long?
- A 98
 - B 970
 - C 990
 - D 9,800
- 17 Ten paper clips placed end to end are more than 1 foot long. ESTIMATE the length of 100,000 paper clips placed end to end.
- A more than ten thousand feet long
 - B more than one thousand feet long
 - C more than hundred thousand feet long
 - D more than one million feet long
- 18 A chef is cooking for a group of 19 people. For each serving the chef uses 100 milliliters of tomato sauce. How much tomato sauce is used for all 19 servings?
- A 1,900 milliliters
 - B 190 milliliters
 - C 119 milliliters
 - D 19,000 milliliters
- 19 Swimming is good exercise. How many 100-foot laps must you swim to go 2,600 feet?
- A 26
 - B 260
 - C 2,700
 - D 26,000

- 20 Anthea needs 1.5 pounds of Parmesan cheese for a recipe. She can choose from the 2 chunks of cheese shown. Round the weight of each chunk of cheese to the nearest



- A 1.5; 1.6
 - B 1.5; 1.7
 - C 1.6; 1.6
 - D 1.6; 1.7
- 21 People living in Italy often live to be 79.2 years old. People living in Rwanda often live only 38.7 years. Round each of these to the nearest whole number.
- A 79; 39
 - B 79; 38
 - C 78; 39
 - D 78; 38
- 22 Which number when rounded to the nearest whole number is 6?
- A 6.56
 - B 6.6
 - C 6.27
 - D 5.09
- 23 Round 5.26 to the nearest tenth.
- A 5
 - B 5.2
 - C 5.3
 - D 5.36

- 24 Andy and Corwin were reading the same book. Andy finished in 2.41 hours. Corwin finished in 0.93 hours. Estimate the difference in their two finish times by rounding to the nearest whole number.

A 1 hour
B 2 hours
C 3 hours
D 5 hours

- 25 ESTIMATE. Which difference is greater than 300?

A $676 - 437$
B $388 - 100$
C $400 - 115$
D $610 - 284$

- 26 The American colonies grew rapidly in the 1600s. About how much did the population grow between 1630 and 1640?

COLONIAL POPULATION	
Year	Population (in thousands)
1610	0.35
1620	2.3
1630	4.6
1640	26.6
1650	50.4
1660	75.1

A 22 thousand
B 31 thousand
C 24 thousand
D 33 thousand

27 ESTIMATE. Which sum is greater than 800?

- A $416 + 322$
- B $175 + 523$
- C $128 + 711$
- D $292 + 475$

28 Estimate $8.8 + 9.9$ by rounding to the nearest whole number.

- A 20
- B 19
- C 18
- D 17

29 The height of one tower is 168 feet. Another tower is 6 times as tall. What is the height of the second tower?

- A 1,176 feet
- B 1,108 feet
- C 1,008 feet
- D 174 feet

30 Michelle wrote a whole number ending in 3 zeros. If she multiplies the number by 10, how many zeros should be in the product?

- A 1
- B 3
- C 4
- D 6

31 Which array represents 3×14 ?

- A
- B
- C
- D

32 Which of these is another way to find 2×37 ?

- A

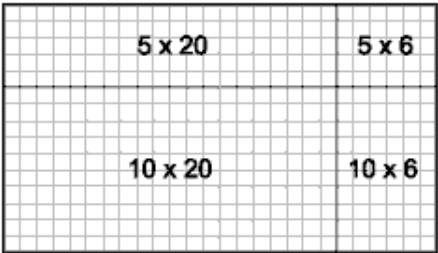
Add 30 and 7.
- B

Multiply $2 \times 30 \times 7$.
- C

Add 2×30 and 2×7 .
- D

Add 2 to the product of 30 and 7.

33



What product does this array show?

- A

15×26
- B

$15 + 26$
- C

5×26
- D

15×90

34 Suppose 28 students form 4 teams with an equal number of students on each team. How many players are on each team?

- A

6 players
- B

7 players
- C

24 players
- D

32 players

35 Maury had 8 posters. He passed them out evenly to his 8 friends. How many posters did each friend get?

- A 0 posters
- B 1 poster
- C 8 posters
- D 64 posters

36 Which multiplication fact can help you find $18 \div 3$?

- A 3×4
- B 3×5
- C 3×5
- D 3×7

37 Which comparison is TRUE?

- A $8 \div 1 > 8 \div 8$
- B $0 \div 8 > 8 \div 8$
- C $8 \div 1 < 0 \div 8$
- D $8 \div 8 < 9 \div 9$

38 A magazine subscription costs \$24 a year. If 6 magazines are delivered during the year, what is the cost of each magazine?

- A \$144
- B \$10
- C \$6
- D \$4

39

Estimate. $47 \overline{)287}$

- A 4
- B 6
- C 50
- D 60

- 40 Conrad has saved \$136. He pays \$34 each month to the cable TV company. How many months will it take Conrad to use all the money in his savings on the cable TV bill?
- A 3 months
 - B 4 months
 - C 5 months
 - D 40 months
- 41 Which is the best estimate of $450 \div 88$?
- A 50
 - B 40
 - C 5
 - D 3
- 42 The list of endangered and threatened species includes 342 species of mammals, such as the red wolf, the right whale and the mountain gorilla. If a group of 74 students divides up the mammals to research, how many mammals would each student study? How many mammals would be left over?
- A 40 mammals; 46 left over
 - B 30 mammals; 120 left over
 - C 4 mammals; 46 left over
 - D 3 mammals; 120 left over
- 43 Manuel is giving away his collection of 74 comic books to 8 of his friends. If he plans to divide it evenly, how many comic books will each friend receive? How many comic books will be left over?
- A 10 comic books with 2 comic books left over
 - B 9 comic books with 2 comic books left over
 - C 8 comic books with 10 comic books left over
 - D 2 comic books with 9 comic books left over

44

Divide. You may use counters or pictures to help. $7 \overline{)46}$

- A 4 R6
- B 5 R11
- C 6 R4
- D 7 R4

45 In $35 \div 7 = 5$, what is the 35 called?

- A dividend
- B divisor
- C quotient
- D factor

46 A group of eight white piano keys, such as from a C key to the next C key, make one octave. To find the number of complete octaves on a keyboard, subtract 1 from the number of white keys and then divide by 7. How many complete octaves are on a keyboard with 40 white keys?

- A 5
- B 6
- C 7
- D 2

47 If 47 people are going to the city in vans that hold 6 people each, and if all but 1 van is full, how many people will be in the van that is not full?

- A 5 people
- B 6 people
- C 8 people
- D 42 people

48 If a person hikes 60 miles each week, how many weeks will it take to hike 1,200 miles?

- A 2 weeks
- B 20 weeks
- C 1,140 weeks
- D 7,200 weeks

- 49 There are 50 coins in a roll of pennies. Find the number of rolls you can make with 150 pennies.

A 3 rolls
B 4 rolls
C 30 rolls
D 40 rolls

- 50 Divide. Use mental math.

$$630 \div 90$$

A 7
B 70
C 540
D 700

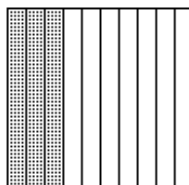
- 51 Darcy is filling a store display with gift boxes wrapped in light or dark paper. What decimal



represents the part of the boxes that are dark?

A 0.6
B 0.5
C 0.4
D 0.3

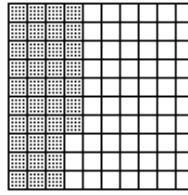
- 52



What is the word name for the shaded part?

A three tenths
B three hundredths
C three tens
D three hundreds

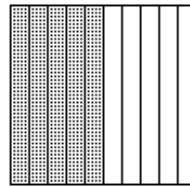
53



What is the word name for the shaded part?

- A forty-seven tenths
- B forty-seven hundreds
- C forty-seven hundredths
- D forty-seven tens

54



What number is shown by the shaded part?

- A 0.5
- B 0.05
- C 5
- D 50

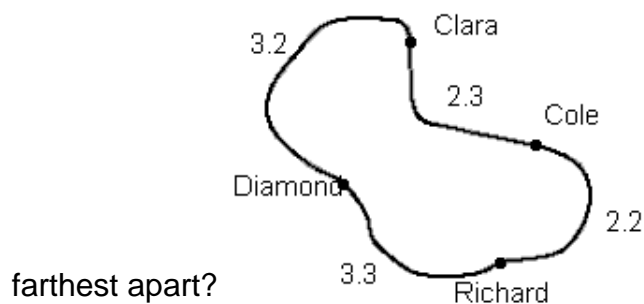
- 55 The table shows some of the smallest countries in the world.

SMALLEST COUNTRIES (IN SQUARE MILES)	
Country	Square Miles
Monaco	0.75
Nauru	8.11
Tuvalu	10.0
San Marino	23.6
Liechtenstein	62.0
Malta	122.0

Which of these countries is smaller than Tuvalu?

- A Nauru
 - B San Marino
 - C Malta
 - D Liechtenstein
- 56 Which number equals 2.4?
- A 2.44
 - B 2.40
 - C 2.04
 - D 2.0
- 57 Order the decimals from least to greatest.
1.19, 1.23, 1.2, 1.09, 1.61
- A 1.09, 1.19, 1.2, 1.23, 1.61
 - B 1.2, 1.19, 1.23, 1.61, 1.09
 - C 1.09, 1.2, 1.19, 1.23, 1.61
 - D 1.09, 1.23, 1.19, 1.2, 1.61

- 58 The map shows the distances along the roads between houses, in miles. Who lives the

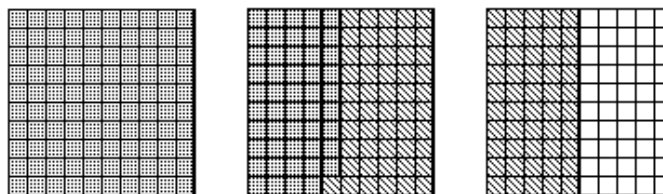


- A Diamond and Richard
- B Richard and Cole
- C Cole and Clara
- D Clara and Diamond

- 59 Tito is buying a birthday card for \$3.19. He gives the cashier \$5.00. How much change should he receive?

- A \$1.71
- B \$1.81
- C \$1.91
- D \$2.81

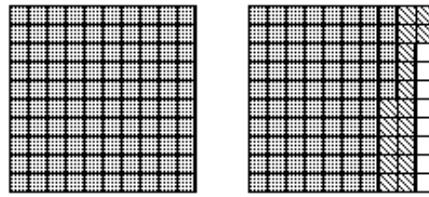
60



Use the grids to help. $1.49 + 1.01$

- A 0.48
- B 2.01
- C 2.4
- D 2.5

61



Subtract. Use the grids to help. $1.92 - 0.17$

- A 0.75
- B 1.17
- C 1.75
- D 2.09

62 Find $19.22 + 17.3$.

- A 20.95
- B 35.52
- C 36.52
- D 209.5

63 Alma rode 2.3 miles from her home to school and 15.6 miles from school to the library. How much farther did Alma ride from school to the library than from home to school?

- A 1.79 miles
- B 13.3 miles
- C 14.3 miles
- D 17.9 miles

64 Multiply.
 $\begin{array}{r} \$13.47 \\ \times 7 \\ \hline \end{array}$

- A \$93.29
- B \$94.29
- C \$94.39
- D \$95.29

65

Divide. Check your answer. $6 \overline{) \$3.78}$

- A \$63.00
- B \$6.30
- C \$0.64
- D \$0.63

- 66 If Gayle's class sends 11 letters to friends in Brazil, what is the total cost of sending the letters?

AIR MAIL LETTER RATES (3 oz letters)	
From the U.S. to:	Cost
Australia	\$2.60
Brazil	\$2.30
Switzerland	\$2.40

- A \$23.10
- B \$24.20
- C \$25.30
- D \$26.40

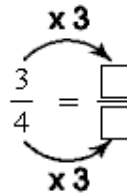
- 67 Javier is buying 2 pairs of gloves for \$5.40 a pair and 2 hats for \$6.40 each. What is the total cost before tax?

- A \$23.60
- B \$18.20
- C \$17.20
- D \$13.80

68 Find $42 \times \$6.01$.

- A \$36.06
- B \$240.00
- C \$241.92
- D \$252.42

69



Multiply to find an equivalent fraction.

- A $\frac{9}{12}$
- B $\frac{9}{4}$
- C $\frac{3}{12}$
- D $\frac{12}{9}$

70 Which fraction is NOT equivalent to $\frac{2}{10}$?

- A $\frac{1}{5}$
- B $\frac{8}{40}$
- C $\frac{5}{30}$
- D $\frac{5}{25}$

71 The book, *The Rainbow Fish*, has a story about a fish who gains friendships and happiness by sharing. About $\frac{1}{2}$ of all the vertebrates on Earth are fish. Which fraction is NOT equivalent to $\frac{1}{2}$?

- A $\frac{4}{10}$
- B $\frac{6}{12}$
- C $\frac{4}{8}$
- D $\frac{5}{10}$

- 72 Quillermo cut his orange into 3 pieces. Huy cut his orange into 6 pieces. They each ate an equal amount of their orange. If Quillermo ate 2 pieces or $\frac{2}{3}$ of his orange, how many pieces did Huy eat?
- A 6 pieces
 - B 4 pieces
 - C 3 pieces
 - D 2 pieces
- 73 In the morning, Marissa planted $\frac{1}{8}$ of her garden. In the afternoon, she planted $\frac{1}{8}$ more of the garden. How much of the garden did Marissa plant?
- A $\frac{1}{4}$ of the garden
 - B $\frac{1}{8}$ of the garden
 - C $\frac{1}{12}$ of the garden
 - D $\frac{3}{8}$ of the garden
- 74 Find the sum. $\frac{2}{5} + \frac{2}{5}$
- A $\frac{2}{5}$
 - B $\frac{4}{10}$
 - C $\frac{4}{5}$
 - D $\frac{2}{10}$
- 75 Rashid is painting two pictures that require black paint. He needs $\frac{2}{10}$ of a tube for the first painting and $\frac{8}{10}$ of a tube for the second painting. How much black paint does he need?
- A 1 tube
 - B $1\frac{1}{10}$ tube
 - C $\frac{9}{10}$ tube
 - D $\frac{1}{5}$ tube

- 76 Find the sum. $\frac{5}{8} + \frac{1}{8}$
- A $\frac{7}{8}$
 - B $\frac{6}{4}$
 - C $\frac{6}{16}$
 - D $\frac{3}{4}$
- 77 One day, Elizabeth spent $\frac{6}{12}$ hour playing George Gershwin music and $\frac{4}{12}$ hour playing Arthur S. Sullivan music. How much more time did she play Gershwin music than Sullivan music?
- A $\frac{1}{24}$ hour
 - B $\frac{1}{18}$ hour
 - C $\frac{1}{12}$ hour
 - D $\frac{1}{6}$ hour
- 78 Write $1\frac{2}{3}$ as an improper fraction.
- A $\frac{6}{3}$
 - B $\frac{5}{3}$
 - C $\frac{8}{3}$
 - D $\frac{5}{1}$
- 79 Gomez lives $\frac{1}{2}$ mile from school. He rides the bus to school every morning, but sometimes walks home after school. If Gomez has walked a total of $2\frac{1}{2}$ miles in the last month, how many times has he walked home from school?
- A 3 times
 - B 4 times
 - C 5 times
 - D 6 times

80 Which improper fraction does NOT equal a whole number?

- A $\frac{6}{2}$
- B $\frac{9}{3}$
- C $\frac{12}{4}$
- D $\frac{18}{5}$

81 A collage is a form of art. When a collage is made, various types of materials including pictures, newspaper clippings, and fabrics are glued to a surface. The art club is making a $4\frac{1}{2}$ -foot long rectangular collage. Each member gets $\frac{1}{2}$ foot of the rectangle to decorate. How many members are in the art club?

- A 6
- B 7
- C 8
- D 9

82 You may use a picture to solve.

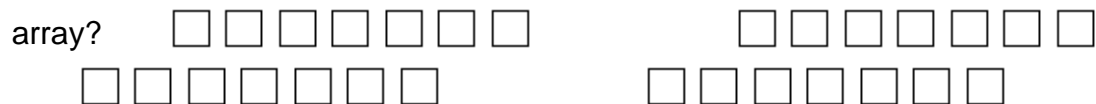
There are 4 verses in the song *America (My Country 'Tis of Thee)*. Each verse has 7 lines. How many lines are in the song?

- A 29 lines
- B 28 lines
- C 21 lines
- D 11 lines

83 Tappers Dance Club held their yearly recital. There were 27 dancers altogether. They were in 3 lines. Which number sentence does NOT help you find how many dancers were in each line?

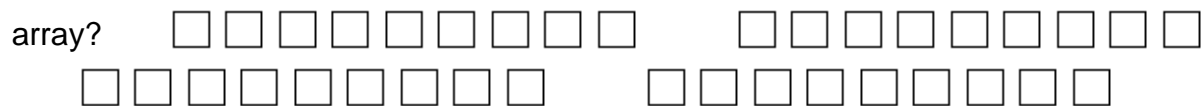
- A $27 \div 3 = 9$
- B $24 \div 3 = 8$
- C $9 \times 3 = 27$
- D $3 \times 9 = 27$

84 Which multiplication sentence is shown by the



- A $4 \times 7 = 28$
- B $4 + 7 = 11$
- C $4 \times 6 = 24$
- D $3 \times 9 = 27$

85 Ricki planted tulips in the garden in the array shown below. Which number sentence does NOT belong in the fact family represented by the



- A $36 \div 9 = 4$
- B $4 \times 9 = 36$
- C $36 \div 4 = 9$
- D $2 \times 18 = 36$

86 Which addition sentence is related to $3 \times 7 = 21$?

- A $7 + 3 = 21$
- B $7 + 7 + 7 = 21$
- C $7 + 7 = 21$
- D $3 + 3 + 3 = 21$

87 Rolando started with 168 marbles. He bought 50 more. Then he won 12. Which number expression would you use to find the number of marbles he has?

- A $(168 + 50) - 12$
- B $(168 - 50) + 12$
- C $(168 + 50) + 12$
- D $168 - (50 + 12)$

- 88 Choose the number expression that matches the words.

Katie had \$43 and spent \$4. Then she earned \$13 more.

- A $(\$43 + \$4) - \$13$
- B $(\$43 - \$4) + \$13$
- C $(\$43 + \$4) + \$13$
- D $\$43 - (\$4 + \$13)$

- 89 Choose the number expression that matches the words.

A centipede can have 100 legs. A spider has 8 legs and a bee has 6 legs. How many more legs does a 100-leg centipede have than a spider and a bee combined?

- A $100 - (8 + 6)$
- B $100 - (8 - 6)$
- C $100 + (8 + 6)$
- D $100 + (8 - 6)$

- 90 Choose the number expression that matches the words.

Roger had 80 signs. He sold 29 signs on Monday and 11 signs on Tuesday.

- A $(80 + 29) - 11$
- B $(80 - 29) - 11$
- C $(80 - 29) + 11$
- D $80 - (29 - 11)$

- 91 Pearl is playing a game. She has 6 sets of 4 matching cards. How many cards does Pearl have?

- A 6 cards
- B 12 cards
- C 18 cards
- D 24 cards

- 92 Find the product $6 \times 50 \times 5$.

- A 61
- B 300
- C 1,500
- D 3,000

- 93 Suppose you are finding $7 \times 4 \times 5$ mentally. Which grouping shows a way to make multiplication easier?
- A $7 \times (4 \times 5)$
 - B $(7 \times 4) \times 5$
 - C $4 \times (7 \times 5)$
 - D $5 \times (4 \times 7)$
- 94 Conner knows $2 \times 9 = 18$. How can he use this to find 3×9 ?
- A Add $18 + 9$.
 - B Add $18 + 18$.
 - C Add $18 + 3$.
 - D Add $9 + 9$.
- 95 Mrs. Conrad is making costumes for a school play. She needs 6 yards of fabric for each costume. How many yards of fabric does she need in order to make 7 costumes?
- A 13 yards
 - B 36 yards
 - C 42 yards
 - D 56 yards
- 96 In a class, 14 students will present their science projects. Each student gets to talk for 5 minutes. How much time is needed to present all of the science projects?
- A 210 minutes
 - B 80 minutes
 - C 70 minutes
 - D 19 minutes
- 97 Jana found 66 shells on the beach on Monday. On Tuesday, Jana found 101 shells. Use mental math to find how many more shells Jana found on Tuesday than on Monday.
- A 45 shells
 - B 40 shells
 - C 35 shells
 - D 34 shells

- 98 The 127 students touring a museum are separated into 3 groups of closely the same size. Which is the best estimate for the number of students in each group?
- A 4 students
 - B 30 students
 - C 40 students
 - D 50 students
- 99 Which is the best estimate for $2,842 + 2,381$?
- A 6,000
 - B 5,000
 - C 4,000
 - D 3,000
- 100 ESTIMATE the product 4×282 . Use rounding.
- A 2,400
 - B 2,000
 - C 1,630
 - D 1,200